



the pressure equipment safety authority

STATUTORY DECLARATION
Registration of Fittings

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.

Swagelok

I, David H. Peace
Vice President of Engineering
(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)
of Swagelok Company
(name of manufacturer)

located at Headquarters: 29500 Solon Road, Solon, Ohio 44139-3492 (See Attachment A)
(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

- comply with the requirements of ASME B31.1 & B31.3 where app. which specifies the dimensions, (title of recognized North American Standard) materials of construction, pressure/temperature ratings and identification marking of the fittings, or
- are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, British Standards Institution as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are Category C Type Fittings

In support of this application, the following information, calculations and/or test data are attached:

ISO 9001: 2008 Quality System Certificate, Support Documents, Attachment B

DECLARED before me at Summit Co. in the State of Ohio
this 9th day of July, 2012
(Month) (Year)
(print) Anna B. Wilthier
(sign) Anna B. Wilthier
(A Commissioner for Oaths)
[Signature]
(Signature of Applicant)

For Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category C
Registration Number: 0 C 1 5 6 7 4 . 5 2
Date Registered: FEB 05 2013
[Signature] (For the Administrator/Chief Inspector of Alberta)
Expiry Date: NOV-29-2022

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Boiler Discipline.

Attachment A. Swagelok Manufacturing Locations

This document lists the Swagelok locations where end item or component level manufacturing activities take place.

Swagelok Company 29500 Solon Road Solon, Ohio 44139 USA	Swagelok Company (Falon 2) 348 Bishop Road Highland Heights, Ohio 44143 USA
Swagelok Company (Highland) 318 Bishop Road Highland Heights, Ohio 44143 USA	Swagelok Company (HPF) 6050 Cochran Road Solon, Ohio 44139 USA
Swagelok Company (OFC) 29495 F.A. Lennon Drive Solon, Ohio 44139 USA	Swagelok Company (Snow Metal) <i>new</i> 6060 Cochran Road Solon, Ohio 44139 USA <i>A399043</i> <i>C911995</i>
Swagelok Company (Atlantic) 26651 Curtiss Wright Parkway Willoughby Hills, Ohio 44092 USA	Swagelok Company A.G. (European Technology Center) St. GallerstraBe 84 Lachen, Switzerland 8853 Switzerland
Swagelok Company (Micro) 26653 Curtiss Wright Parkway Willoughby Hills, Ohio 44092 USA	Swagelok Company (Swagelok Limited) Tromode IM4 4RA United Kingdom
Swagelok Company (Falon 1) 348 Bishop Road Highland Heights, Ohio 44143 USA	

THIS IS PART OF
 CRN OC 15674-5
 Technical Standards & Safety Authority
 Bollore & Pressure Vessels
 Safety Program

Attachment B. Scope of Registration for Swagelok FKB Series Medium Pressure Ball Valves

This document represents the scope of Medium Pressure Ball Valves, FKB Series covered by this submission for CRN approval. These Medium Pressure Ball Valves, FKB Series have been evaluated in accordance with ASME B31.1 and B31.3 and B31.3 Chapter IX for unlisted components.

Summary Table

Product Description or Series	Material	Port Connections and Sizes	Maximum Allowable Working Pressure (psig)	Maximum Working Temperature (°F)	Design Code of Construction
6FKB (2-way and 3-way)	316 stainless S31600 / ASTM A479	¼, 3/8, and 1/2" Medium Pressure Tube Fitting ¼, 3/8, and 1/2" Female NPT	15 000	250	ASME B31.1, B31.3, (Unlisted Components)
8FKB (2-way and 3-way)	316 stainless S31600 / ASTM A479	1/2" Medium Pressure Tube Fitting 1/2" Female NPT	15 000	250	ASME B31.3, Chapter IX (Unlisted Components)
12FKB (2-way)	316 stainless S31600 / ASTM A479	1/2" Medium Pressure Tube Fitting	15 000	250	ASME B31.3, Chapter IX (Unlisted Components)

Product Illustration

design (patent-pending):

- maintains full pressure rating throughout the entire operating temperature range
- reduces seal wear that can lead to shell leakage.

Positionable handle with unique stop disk:

- provides flexibility in component layout, enabling reduced system footprint.

Trunnion-style ball with innovative direct-load design (patent-pending):

- seals consistently across a full range of pressures, even if system is depressurized and repressurized
- ensures reliable operation for improved actuation of control systems.

Bottom-loaded stem design:

- eliminates stem blowout and enhances operator safety.

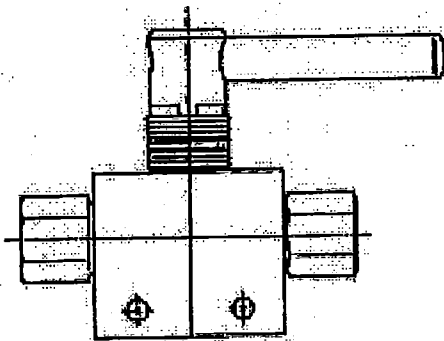
Swagelok® medium-pressure tube fitting end connections:

- reduce valve installation time and cost
- provide robust tube grip and vibration resistance.

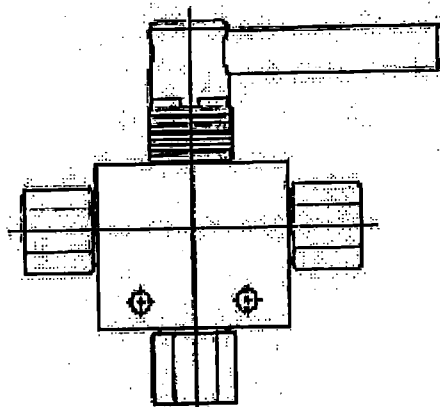
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 Pressure Vessels
 Form

Configurations

2-Way (On-Off) Valve

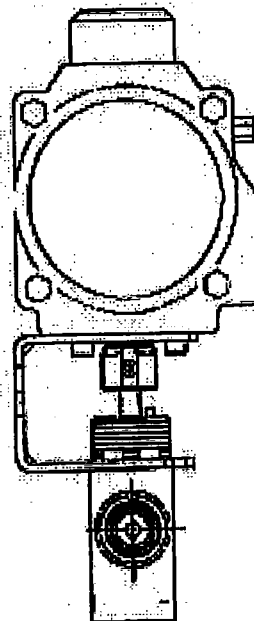
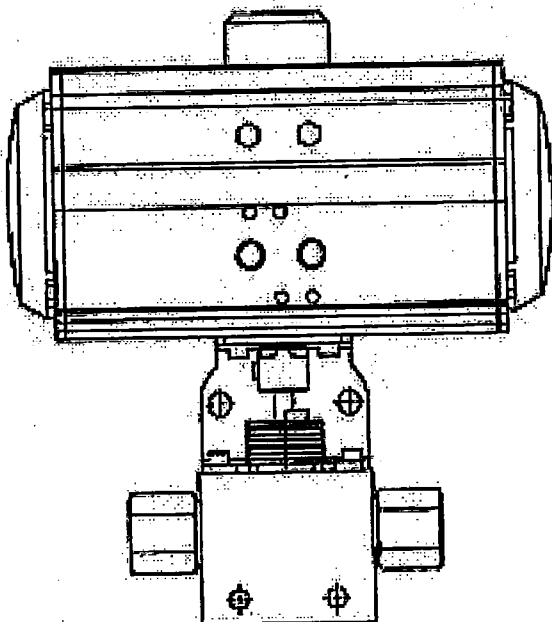


3-Way (Switching) Valve



THIS IS PART OF
COM 0015674-5
partly

Air Actuated



Product Options:

The product options listed below affect pressure and/or temperature ratings shown in the above Summary Table, but in all cases the ratings are less than those shown in the table.

- *O-Ring Material – CR510 20°F – 185°F*

All of the above options, those that affect pressure and/or temperature ratings and those that do not, are within the scope of this approval.

Quality System

The Swagelok Company quality system complies with the requirements of BS EN ISO 9001:2008. The Swagelok Company maintains British Standards Institution Certificate of Registration Number FM 01729, which applies to all locations listed on the Certificate. The FKB Series Medium Pressure Ball Valves are manufactured at a Swagelok Company location in Solon, Ohio.

References

The product catalog does not represent the full scope of the registration but rather details some of the most common options.

- Medium-Pressure Ball Valves, FKB Series Product Catalog MS-02-354-E

